



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventor(s) Corbett, et. al.

Group: 1636

Serial No. 10/816,708, filed April 2, 2004  
Docket No. 20892 US2

Examiner:

For: CRYSTALS OF GLUCOKINASE AND METHODS OF GROWING THEM

**INFORMATION DISCLOSURE STATEMENT**

Nutley, New Jersey 07110  
July 2, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

Documents A1, B1 and C1 – C22 listed on Form PTO 1449 are not being submitted because each document has been made of record in the parent application, Serial No. 10/318,308, filed December 12, 2002, now pending. Applicants also refer the Examiner to the Search Report dated March 11, 2004, which was issued by the German Patent Office in the corresponding application, and submitted in the parent '308 application.

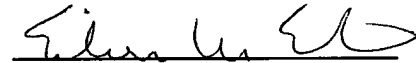
Document B2 is being supplied, although it is not prior to the present application.

Consideration of all the documents cited on Form PTO-1449 is requested.

Serial No. 10/816,708  
Filed: April 2, 2004

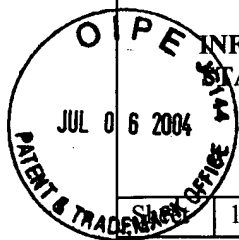
Since the Information Disclosure Statement is submitted before the mailing of the first Office Action on the merits or within three months of the filing date for the above application, no fee is due.

Respectfully submitted,



Attorney for Applicant(s)  
Eileen M. Ebel  
(Reg. No. 37,316)  
340 Kingsland Street  
Nutley, New Jersey 07110  
Telephone: (973) 235-4391  
Telefax: (973) 235-2363

143470

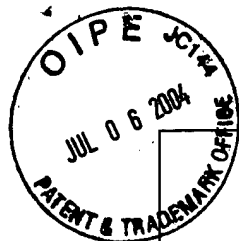


Substitute for form 1449A/PTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		Application Number	10/816,708	
		Filing Date	April 2, 2004	
		First Name Inventor	Corbett	
		Group Art Unit	1636	
		Examiner Name		
1	of	1	Attorney Docket Number	20892 US2

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	A1	6,320,050		Bizzarro, et al.	11/20/2001

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
	B1	WO	00/58293		F.Hoffmann-La Roche AG	10-06-2000
	B2	WO	03/080585		Banyu Pharmaceutical Co., Ltd.	03-25-2003
Examiner Signature		Date Considered				

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>2</sup>Unique citation designation number. <sup>3</sup>See attached Kinds of U.S. Patent Documents. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation or abstract is attached.



Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		<b>Complete if Known</b>			
		Application Number	10/816,708		
		Filing Date	April 2, 2004		
		First Name Inventor	Corbett		
		Group Art Unit	1636		
		Examiner Name			
Sheet	2	Of	2	Attorney Docket Number	20892 US2

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	ALESHIN et al., Structure 6, pgs. 39-50, 1998	
	C2	BENNETT, Jr. et al., J. Mol. Biol. Vol. 140, pgs. 183-209, 1978	
	C3	ITO et al., Structure 9, pgs. 205-214, 2001	
	C4	COLOWICK, S. P., The Enzymes, Vol. 9 (P. Boyer, ed.) Academic Press, New York, NY pgs. 1-48, 1973	
	C5	CHIPKIN, S. R., et al., Joslin's Diabetes (C.R. Khan & G. C. Wier, eds.), Lea & Febiger, Philadelphia, PA, pgs. 97-115, 1994	
	C6	PRINTZ, R. G., et al., Ann. Rev. Nutrition, Vol. 13, (R. E. Olson, D. M. Bier, & D. B. McCormick eds.) pgs. 463-496, 1993	
	C7	MEGLASSON, M. D. et al., Amer. J. Physiol. Vol. 246 pgs. E1-E13, 1984	
	C8	GRUPE, A., et al., Cell Vol. 83, pgs. 69-78, 1995	
	C9	FERRIE T. et al., FASB J. Vol. 10, pgs. 1213-1218, 1996	
	C10	LIANG, Y. et al., Biochem. J. Vol. 309, pgs. 167-173, 1995	
	C11	GLASER, B. et al., New England J. Med. Vol. 338, pgs. 226-230, 1998	
	C12	TSUGE, et. al., Protein Science, Vol. 11, pp. 2456-2463 (2002)	
	C13	MAHALINGAM, et. al., Vol. 48, pp. 1698-1705 (1999)	
	C14	ALESHIN ALEXANDER E., et al., FEBS Letters, XP002253654, Vol. 391, No. 1-2, pp. 9-10 (1996)	
	C15	ALESHIN ALEXANDER E., et a., Journal of Molecular Biology, XP002253657, Vol. 296, No. 4 pp. 1001-1015 (2000)	
	C16	TONGLELI LI, J. Biomaterials Sci. Polymer Edn., XP002918057, Vol. 9, No. 4, pp. 327-344 (1998)	
	C17	XU, L.Z., et al., J. Biol. Chem., Vol. 269, pp. 27458-27465 (1994)	
	C18	MULICHAK, A.M., et al., Nat. Struct. Biol., Vol. 7, pp. 555-560 (1998)	
	C19	PILKIS, S.J., et al., J. Biol. Chem., Vol. 269, pp. 21925-21928 (1994)	
	C20	YSERN, X, et al., J. Biol. Chem., Vol. 264, pp. 7765-7767 (1989)	
	C21	QIAN-CUTONE, J., et al., J. of Antibiotics, Vol. 52, pp. 245-255 (1999)	
	C22	DOLIBA, N., et al., Diabetes, Vol. 50(2), pp. A359 (2001)	
Examiner Signature			DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation or abstract is attached.

143463